



**RHONDDA CYNON TAF COUNTY BOROUGH COUNCIL**

**CABINET**

**21ST MARCH 2019**

**HIGHWAYS, TRANSPORTATION AND STRATEGIC PROJECTS  
SUPPLEMENTARY CAPITAL PROGRAMME**

**REPORT OF THE GROUP DIRECTOR PROSPERITY, DEVELOPMENT AND  
FRONTLINE SERVICES IN DISCUSSIONS WITH THE RELEVANT CABINET  
MEMBERS, THE LEADER OF THE COUNCIL AND COUNCILLOR A CRIMMINGS.**

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**1. PURPOSE OF THE REPORT**

- 1.1 Further to the approval of the Council's Three Year Capital Programme 2019/20 - 2021/22 on 6<sup>th</sup> March 2019 (Council), this report sets out the detailed capital programme for Highways, Transportation and Strategic Projects.

**2. RECOMMENDATIONS**

It is recommended that Members:

- 2.1 Note and approve the Supplementary Capital Programme for Highways, Transportation and Strategic Projects as detailed within this report.
- 2.2 Note that the current allocations are part of a 3-year capital programme and delegate authority to the Group Director, in consultation with the Leader of the Council and the Director of Finance and Digital Services, to extend activity to deliver additional projects during the financial year where capacity exists for accelerated delivery in accordance with the purpose of the wider programme.

**3. BACKGROUND**

- 3.1 This report considers the detail against the specific 2019/20 capital allocations of £15.032M in favour of Highways Technical Services and £10.934M in favour of Strategic Projects, in order to safeguard the long-term integrity of the highways and transportation network and to enhance the network to deal with ever increasing travel demands. Specific regard is given to promoting safer and more sustainable travel and to enabling economic activity. Detail for consideration by Cabinet is submitted under the following areas;

- Highways Improvements
- Land Drainage/Flood Risk Improvements

- Traffic Management
  - Car Parks
  - Transportation Infrastructure
  - Making Better Use Programme (MBU)
- 3.2 The Council has been allocated £1.249M Welsh Government Road Refurbishment Grant and has been invited to submit bids for Welsh Government Grants for transport projects related to;
- Road Safety (Capital and Revenue)
  - Safe Routes in the Community
  - Local Transport Network Fund
  - Local Transport Fund (including Active Travel)
- 3.3 The Council is also heavily engaged in the Cardiff Capital Region City Deal. At the present time £734M is allocated to Metro which will deliver electrification of the Treherbert, Aberdare and Merthyr rail lines. Train frequencies will be increased to 4 trains per hour to the top of each line, which means 8 trains per hour south of Abercynon and 12 trains per hour south of Pontypridd. Services will be provided by new rolling-stock which will be powered by a combination of batteries and overhead cables. Cables will run to the top of each line with battery technology used to power the trains under low bridges, etc avoiding the cost and disruption of the major engineering works involved in raising bridges.
- 3.4 The Regional Cabinet has also agreed in principle to allocate up to £40M of City Deal funding towards Metro Central which involves redeveloping Cardiff Central Rail Station, creating an integrated transport hub capable of accommodating the significant passenger demand enabled by the wider Metro investment. Regional Cabinet has agreed in principle to support £15M of commitment towards a jointly funded (with Welsh Government) £30M Metro+ programme of ten transport projects, including Porth Transport Hub. Porth Transport Hub features in the adopted RCT strategy to regenerate Porth Town Centre.
- 3.5 Detailed engagement is ongoing with WG and TfW regarding the proposed maintenance depot at Taffs Well, a new station at Treforest/Nantgarw and numerous other facets of Metro.

#### **4. SUPPLEMENTARY CAPITAL PROGRAMME**

##### **4.1 Highways Improvements**

- 4.1.1 The Highways Network represents the most significant asset of the Council, valued in excess of £3.4Bn and comprises of carriageways, footways, structures (bridges, retaining walls, culverts, etc.), street lighting, traffic signals and signs, safety barriers, highway drainage, etc.
- 4.1.2 At its meeting of 6<sup>th</sup> March 2019, Council approved the budgets for the Highways Improvement Schemes.

4.1.3 The network has now benefitted from eight years of enhanced levels of investment and this critically important additional funding will continue into 2021/22, improving and protecting the fabric of the highways network and dealing with the impact of winter weather conditions.

4.1.4 The total allocation of capital resources for the Highways Improvement Schemes, as included in the Capital Programme for 2019/20, is £15.032M and is broken down into works packages in the table below. This includes previously reported slippage of £3.944M of Highway Structures funding. Spending plans for this programme of works are detailed in this report.

<b>Works Package</b>	<b>Budget £M</b>
Carriageways	6.301
Footways	1,512
Vehicle Restraint Barriers	0.100
Disabled Access Improvements	0.030
Highway Structures	5.794
Parks Structures	1.000
Street Lighting	0.250
Car Parks	0.045
<b>Total (Including Slippage of £3.944M)</b>	<b>15.032</b>

4.1.5 The works proposed to be carried out are detailed in Appendix 1.

4.1.6 **Carriageways**; An identified programme of carriageway resurfacing and surface treatment to the value of £6.301M will be funded in 2019/20. Schemes to the value of £4.976M have been identified to date and are listed in Appendix 1.

4.1.7 These schemes will be supplemented by a £0.600M allocation to carry out minor surface repairs (larger patches), a £0.550M allocation to essential highway improvement repairs to larger areas which are identified through inspection during the course of the period, a £0.075M allocation towards highway drainage repairs and £0.100M allocation for Project Management Costs.

4.1.8 **Footways**; are considered to be a high risk to the Council and it is proposed to allocate £1.512M to repairs which have been identified by inspectors or through specialist condition surveys.

4.1.9 **Street Lighting**; An ongoing programme of column replacement to the value of £0.250M will be implemented and a programme of replacement of the Council's network of supply cables. The proposed programme takes into account the results of structural tests undertaken to date. It is also proposed to replace the remainder of the 2-wire overhead network feeding steel columns that has previously been the target of cable theft, and also have the potential to become an electrical hazard to the general public.

4.1.10 **Safety Barriers**; An ongoing programme of renewal of vehicle restraint barriers and high priority repairs to damaged sections of barriers to the value of £0.100M will be implemented over the funding period.

- 4.1.11 **Highway Disabled Access Improvements**; an allocation of £0.030M has been made to a programme which is likely to comprise small scale works at 10 to 15 locations yet to be identified.
- 4.1.12 **Highway Structures**; There are significant challenges associated with maintaining highway structures with a number of structures in a critical condition. A total budget of £5.794M (including £3.944M of previously identified slippage from 2018/19) has been allocated for 2019/20. A full list of proposed schemes can be found in Appendix 1.
- 4.1.13 Structures schemes often have long scheme design / lead in periods and a high level of initial uncertainty over works costs as the scope of works often only becomes fully apparent during the design period. In order to progress design of schemes for inclusion in future capital programmes funding of £0.186M has been allocated to advance preparation.
- 4.1.14 As a result of the lead-times and slippage from 2018/19, there is a significant programme of structures works scheduled for delivery in 2019/20.
- 4.1.15 The previously funded schemes with significant previously allocated funds being carried forward into 2019/20 are discussed below:
- 4.1.16 A design and build contract for the replacement **Brook Street Footbridge**, adjacent to Ystrad rail station is currently ongoing. This footbridge forms a link between Ystrad and Nant-y-Gwyddon Road and provides the only access to the northbound platform of Ystrad railway station for disabled people. It is an extremely large and complex scheme with very difficult site access, works over both a river and railway, and a requirement to maintain access to the northbound platform of the station. Considerations on the design are being carefully evaluated. A funding allocation of £1.804M has been previously approved and £1.287M of this funding will carry forward into 2019/20.
- 4.1.17 The **St. Albans Bridge in Tynewydd**, which is one of only 2 routes providing access to the communities of Blaencwm and Blaenrhondda, requires replacement. A design and build contract for the replacement of the bridge has been awarded to Alun Griffiths (Contractors) Ltd. A funding allocation of £2M has been previously approved and £1.698M of this funding will carry forward into 2019/20. Design is progressing and works are expected to commence in the summer of 2019.
- 4.1.18 The **Pont Rhondda Road Bridge in Llwynypia** has had a weight limit imposed for a number of years due to its structural condition and requires replacement. A sum of £1.5M has been previously allocated for the construction works. The project is currently ongoing and is due to be completed in July 2019. £0.357M of this funding will carry forward into 2019/20
- 4.1.19 The **Heol Gwrangron Bridge** which supports the C181 in Rhigos, an essential link for home to school transport, has been identified to require strengthening. A reduction of the carriageway to one lane has been put in place over the bridge to minimise loading and repairs are required to reinstate the full use of the carriageway. A sum of £0.275M has been previously allocated. Funding to the value of £0.234M will be carried forward to 2019/20.

4.1.20 A budget of £0.150M has been previously allocated to Phase 1 of repairs to **Hopkinstown River Wall**, which supports the A4058, to arrest deterioration and prevent future more disruptive works to this essential main link to the Rhondda valleys. £0.129M of this funding will be carried forward into 2019/20 along with a proposed further allocation of £0.250M for Phase 2 of the works. A contract has been awarded to Alun Griffiths to carry out Phase 1 with the option of bringing in Phase 2, and the works are programmed to commence in April 2019.

4.1.21 **Pontcynon River Bridge** requires repair works. A budget of £0.055M has been previously allocated to these works, which are now scheduled to be carried out in the summer of 2019. £0.024M of this allocation will carry forward into 2019/20 and a further allocation of £0.105M is proposed in 2019/20

4.1.22 A budget of £0.342M has been previously allocated towards the replacement of the **Tyntyla footbridge in Llwynypia**. During design, ground investigations identified that the embankment upon which the bridge is constructed, which is in private ownership, is affected by an active landslip. This would dramatically increase the costs associated with replacement of the bridge, and the scheme has been put on hold pending future consideration of the funding need. £0.215M of the budget will be carried forward into 2019/20.

4.1.23 **Parks Structures:** Responsibility for the maintenance of Parks and Countryside Bridges has recently been transferred to Highways and Streetcare. A programme of inventory collection and inspection has commenced and a number of schemes have been identified. Works to the value of £0.670M can be progressed in 2019/20, with advanced preparation work to the value of £0.250M on schemes for implementation in future years and Project Management Costs of £0.080M.

4.1.24 Schemes for works in 2019/20 are identified in Appendix 1.

4.1.25 Advance preparation work will include preparation of schemes at:

- Penydarren Tramroad Bridge, Aberdare
- Gelli Isaf Tramroad Bridge, Aberdare
- Penrhys Rugby Field Bridge
- Ty Mawr Bridge, Hirwaun
- Ynysangharad Park Cable Stay Bridge
- Abercynon Rec Bridge
- Barry Sidings / Colliery Street Bridge, Trehafod

## 4.2 Land Drainage/Flood Risk Improvements

4.2.1 The Capital Land Drainage Programme supports works on land drainage and flood alleviation schemes, which are of such scale that their cost places them outside the framework of routine maintenance supported by the revenue programme.

4.2.2 With regard to land drainage (Flood Alleviation) schemes, the Council is frequently able to benefit from Welsh Government (WG) grant support (85%) as

the Land Drainage Authority under Section 59 of the Land Drainage Act 1991. In support of this process the land drainage capital programme identifies a number of project appraisals targeted at attracting external funding support. These appraisals will be carried out on a rolling 3-year programme with 1-2 completed per year.

4.2.3 Progression of schemes will be dependent on successful application for grant following the Strategic Outline Business case process and on occasion attracting other third party contributions. An allowance has been made within the drainage improvements programme for progression of such schemes in order to provide the required match funding.

4.2.4 In addition, the Mynydd yr Eglwys landslip continues to require ongoing monitoring by specialist geotechnical engineers.

4.2.5 The details of the Drainage/Flood Risk Improvements Programme for 2019/20 with £0.348M of council funding allocated is provided in Appendix 2.

4.2.6 In addition to the above, the following will be progressed through initial feasibility/Strategic Outline Case (SOC).

- Cwmbach Canal, Cwmbach - Strategic Outline Business Cases (SOC).
- Tylcha Ganol, Tonyrefail - Strategic Outline Business Cases (SOC).
- A4061 Rhigos Mountaint Rd, Hirwaun - Strategic Outline Business Cases (SOC) including Asset Survey
- Nant Gwawr (Phase 2), Aberaman - Strategic Outline Business Cases (SOC) including Asset Survey
- Oaklands Terrace, Cilfynydd - Strategic Outline Business Cases (SOC).

### 4.3 **Traffic Management**

4.3.1 As part of its network management duties under the Traffic Management Act and the Highways Act the Council has the ability to implement improvements to the management of traffic within the County Borough. Finance for the programme is provided by an allocation of core capital funding of £0.160M.

4.3.2 The Council's capital allocation will enable the implementation of small scale schemes and provide safety aids such as warning signs, the introduction of traffic orders and the provision of residents parking. Details of the 2019/20 Capital Programme are included in Appendix 3.

### 4.4 **Car Parks**

4.4.1 An ongoing programme of repairs and upgrades to the Council's car parks with a £0.045M allocation in 2019/20.

### 4.5 **Transportation Infrastructure**

4.5.1 The total allocation for Transport Infrastructure for 2019/20 in the Capital Programme amounts to £10.364M.

4.5.2 In respect of the allocations it can be seen that the headline commitment varies from that allocated by Council towards the projects in October 2018. Whilst the situation will vary from scheme to scheme the broad overview position is that allocations were made against schemes and programmes in quarter 3 of 2018/19 for anticipated expenditure during 2018/19 by the year end. The residual balance of funding is therefore included at the headline of each project for 2019/20. It is likely there will be further variances on projected expenditure to the end of the year, as well as further in-year grant allocations for 2018/19 (mainly WG underspend), together with new grant yet to be awarded for 2019/20

4.5.3 The position will be continuously monitored throughout the financial year and updates to Cabinet will be provided in the quarterly performance reports.

4.5.4 The allocations are as follows;

#### **1. Mountain Ash Cross Valley Link - £2.389M**

Good progress is being made in respect of this project which has now been allocated over £13.324M including Local Transport Fund Grant from Welsh Government. The A4059 junction works are complete. The Council's design and build contractor (Walters Sisk) has completed the detailed design of the bridge link and construction commenced in Summer 2018. The project team is currently engaged in resolving challenges related to a Dwr Cymru Welsh Water Trunk Sewer diversion. Anticipated completion of this project is winter 2019/20.

#### **2. Llanharan Bypass - £1.633M**

Good progress is being made in respect of this project which has now been allocated £2M including Local Transport Fund Grant from Welsh Government. Preliminary design which includes ecological surveys and geotechnical investigation has commenced. This project will provide the eastern leg of the bypass as a continuation of the existing western leg and subject to completion of the central section which is required to be provided by developers of adjacent residential development and phased to accord with triggers attached to their planning consents. The eastern leg will connect with the A473 to the east of Llanharan and reduce the impact of traffic along the existing route, providing relief for affected communities, particularly around Llanharan Square. It is anticipated that significant developer contributions will be secured to assist funding delivery of this project in future years.

#### **3. Dualling A4119 Coedely to Ynysmaerdy (known locally as Stinkpot Hill) - £2.611M**

Good progress is being made in respect of this project which has now been allocated £4.684M including Local Transport Fund Grant from Welsh Government. Preliminary design has progressed to dual the existing single carriageway and substandard section of the strategic transport corridor linking the Rhondda Fawr with Llantrisant/Talbot Green and Junction 34 of the M4 motorway. The scheme proposes to extend the existing high quality dual carriageway from the M4 to Ynysmaerdy, right up to the Coedely roundabout which serves the strategic development site at Coedely. The current

substandard single carriageway is perceived by developers as being major barrier to development on this site. The scheme will therefore not only improve connectivity along this key corridor, but has the potential to act as a catalyst for development of this strategic site. The preliminary design is scheduled to be complete in Summer 2019 with a planning application to be submitted for a new entrance to the South Wales Fire & Rescue Service Headquarters later in the summer. An exhibition / consultation has recently been held with over 80% of respondents in favour of the project.

#### **4. A465 Cynon Gateway North (Aberdare Bypass) - £0.780M**

Preliminary design has commenced on the project which continues on previous feasibility work undertaken. The bypass will link from the A465 (Heads of the Valleys) Croesbychan roundabout which will be constructed as part of the Welsh Government dualling project to the existing Aberdare Bypass north of Robertstown. This will provide an essential link from the trunk road to the Cynon Valley and will aid in relieving traffic from Llwydcoed as a result of the A465 dualling. The importance of this road has been recognised by the Welsh Government and in particular the Minister for Economy, Skills and Transport who has confirmed that WG will work with RCT towards early delivery of this project. The Council allocated £1m in October 2018.

#### **5. Gelli Treorchy Relief Road - £0.200M**

Feasibility studies have commenced on investigation of options to relieve traffic congestion in Treorchy. Stag Square is a major bottleneck causing congestion and delays to users of the road network including public transport. The study will look to identify potential options to reduce congestion. The Council allocated £0.250M in October 2018.

#### **6. Park and Ride Programme - £1.440M**

Successful delivery of Metro Phase 1 projects, yielding enhanced grant allocations, together with RCT commitments, has released £1.440M for investment in additional Park and Ride capacity. The Park and Ride programme is intended to create additional parking capacity at rail stations across RCT to enable car drivers to switch to rail travel encouraging modal shift in favour of more sustainable forms of travel that contribute to reducing congestion and harmful emissions.

Car parking demand at Pontyclun Station exceeds capacity and creates issues with overspill parking in the vicinity of the station. Phase 1 has been completed in Spring 2018 which has delivered 14 additional spaces. Phase 2 scheme development for the expansion of the existing Park and Ride facilities adjacent to the station has commenced with investigation of Network Rail apparatus and utilities. An allocation of £0.640M for Phase 2 has been allowed for.

£0.750M of this allocation will be invested in delivering phase 2 and phase 3 of Porth Park and Ride and follows the successful implementation of phase 1 and the rapid growth in usage. Phase 2 will involve creating additional parking to the north of the existing car park, incorporating additional land secured during phase 1 in association with the transport hub. Preliminary design has



commenced and a planning application has been submitted. Construction of phase 2 is anticipated later in 19/20.

Abercynon Park and Ride Phase 2 is scheduled for completion at end of March 2019 and has been totally funded via Welsh Government funding of £1M+. Over 300 extra spaces will be provided.

A sum of £0.050M will be allocated to continue work towards a wider strategy for development of delivery of enhancements to local park and ride opportunities at rail stations across RCT to further extend the reach of Metro.

Park and Ride is a key element to enable mode shift and promote accessibility to the Metro and opportunities to add value to Metro will be kept under review as the full scope and detail of the Metro project crystallises.

The proposed Park and Ride programme is included in Appendix 5.

## **7. Initial Scheme Development/Feasibility £0.180M**

In addition to the above the following will be progressed through initial feasibility stage:

- Llewelyn St, Pentre - Pedestrian Crossing Initial Feasibility Study
- Cefn Coed Rd, Ynysybwl - Pedestrian Crossing Feasibility Study
- Old Llantrisant - Traffic Management Options Study

### **4.6 Making Better Use (MBU) Programme- £1.131M + £0.095M developer contributions)**

4.6.1 During 2016/17 a Making Better Use (MBU) programme was introduced. The ethos of this programme was to identify low cost, high value improvements for congested sections of the Council's highways network, to improve traffic flows, ease congestion and have a positive impact on road safety.

4.6.2 The programme was continued and has effectively delivered a number of successful projects. A further programme into 2019/20 for which an allocation of £1.131M is proposed with £0.095M from third party contributions.

4.6.3 The proposed programme of investment in MBU projects is included at Appendix 4.

## **5. EXTERNAL GRANTS**

5.1 At the time of drafting this report, over £5.790M of Welsh Government grants have been secured by RCT during 2018/19 via Local Transport Fund, Local Transport Network Fund, Road Safety Grant and Safe Routes to School Grant. The Council continues to explore the potential to accommodate any further potential 2018/19 WG budget underspends.

5.2 Bids were submitted during January / February for 2019/20 funding. It is anticipated that available grants will be confirmed during March 2019.

- 5.3 Bids have also been submitted for minor works and projects identified on the Welsh Government pipeline for capital investment in Land Drainage/Flood Risk Improvements for 2019/20 at £0.221M and is identified in Appendix 2
- 5.4 The Council has been allocated £1.249M as part of a Wales-wide £30M Welsh Government Roads Refurbishment Grant which will support our highways maintenance programme.

## **6. EQUALITY AND DIVERSITY IMPLICATIONS**

- 6.1 Equality and Diversity issues will be considered as part of determining the final detail of the proposed schemes.

## **7. CONSULTATION**

- 7.1 There are no consultation requirements relating directly to the report but the proposed schemes will (or have) involve varying degrees of consultation, some of which will relate to statutory processes (such as Traffic Regulation Orders).

## **8. FINANCIAL IMPLICATIONS**

- 8.1 The funding allocation to support schemes contained within this report was agreed by Council on the 6<sup>th</sup> of March 2019 as part of the three year Capital Programme 2019/20 to 2021/22. This report does not commit any additional spend over and above this agreed allocation.

## **9. LEGAL IMPLICATIONS OR LEGISLATION CONSIDERED**

- 9.1 There are no legal implications as a result of the recommendations set out in this report.

## **10. LINKS TO THE CORPORATE AND NATIONAL PRIORITIES AND THE WELL-BEING OF FUTURE GENERATIONS ACT.**

- 10.1 This investment programme supports the Council's Corporate Plan Priority 'Place – creating neighbourhoods where people are proud to live and work'.
- 10.2 The programme is wide ranging. It deals with the maintenance and provision of transport assets created in order to meet travel demand. The programme supports enhanced connectivity to link homes with employment opportunities, education and health facilities, and to act as a catalyst for development and regeneration. In conjunction with grant applications, a range of sustainable and active travel opportunities are promoted.

10.3 The programme supports the Well-Being goals fostering prosperity and resilience with inclusive and sustainable transport options supporting more cohesive and vibrant communities.

## 11. **CONCLUSION**

11.1 The above programme continues the enhanced levels of investment under the RCTInvest initiative, delivering sustained improvements to the resilience and durability of our highways and transportation infrastructure, promoting sustainable transport opportunities and network efficiency.

11.2 Consequently, Highways and Streetcare Services will coordinate and deliver significant investment in a number of important areas during 2019/20 and the proposed programme is accordingly recommended for Cabinet approval.

11.3 The Welsh Government LGBI programme concluded in 2014/15 and combined with core capital resources totalled an unprecedented £68M highway maintenance investment programme over 8 years. This has enabled significant improvement in the condition of the highway network.

11.4 RCT is one of the few Councils that has been able to continue to make meaningful and significant investments in its highway network since the demise of LGBI funding. The table below demonstrates the level of progress that has been made.

<b>Indicator</b>	<b>2010/11 Indicator</b>	<b>2018/19 Indicator</b>
THS011a – percentage of A class roads requiring maintenance	16.2%	4.9%
THS011b – percentage of B class roads requiring maintenance	15.2%	6.5%
THS011c – percentage of C class roads requiring maintenance	15.3%	3.0%
THS012 – percentage of all classified roads requiring maintenance	15.7%	4.8%

11.5 The Council, in common with all LAs across the UK faces significant challenges in maintaining this enormous and complex asset. It is encouraging that WG has recognised these challenges and initiated a Local Government Public Highways Refurbishment Grant across Wales. The indicators above are directly impacted by the levels of funding available to maintain the asset. Whilst there is clearly a level of funding required in maintaining asset condition in a steady state, reducing funding below an optimum level creates greater challenges for the future. The ongoing level of investment respects that principle and should continue to see the highway network in RCT improving in comparison with other local authorities.

11.6 The condition of the Council's highways structures assets is recognised as a significant challenge with enhanced capital and revenue funding allocated during 2017/18 and 2018/19 continuing with £5.794M available to invest in 2019/20.

11.7 The commitment of the Council to invest in transport infrastructure enables the Council to be able to engage with Welsh Government and provide flexibility to accommodate WG underspend.

11.8 RCT is pro-active in securing WG funding arising from underspend across WG budget heads. In-year allocations were successfully secured under various grant headings during 2018/19 with total allocations now exceeding £5M. Further opportunities to accommodate in-year underspend have been highlighted and promoted.

11.9 The programme is as always subject to minor changes due to possible engineering difficulties or programming and coordination issues with statutory undertakers.

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## Appendix 1

### Proposed Carriageway Capital Programme 2019/20

Street No	Street Name	Town	Treatment	Budget(£)
	Project Management			100,000
	Mini Planer Patching Programme	Various	Patching	600,000
	Emergency Repairs	Various	Various	550,000
	Drainage Repairs	Various	Various	75,000
A4058	Bute St	Treorchy	Microasphalt	52,000
B4512	Penrhys Road	Ystrad	Strengthen	265,600
A4058	Ystrad Road	Pentre	Strengthen	69,760
	Gelli Road	Gelli	Strengthen	124,840
A4054	Cardiff Road	Abercynon	Surface Dressing	60,200
	Cerdin Avenue	Pontyclun	Strengthen	51,150
	School Street	Pontyclun	Strengthen	25,575
	Smilog Lane	Ynysmaerdy	Composite	199,620
A4233	Ferndale Road	Ferndale	Strengthen	178,560
A473	Llanharan Road	Pontyclun	Strengthen	160,000
A473	Llanharan Road	Pontyclun	Microasphalt	110,000
	Eglwsilan Road	Pontypridd	Deep Recycling	158,100
	Regent St	Treorchy	Strengthen	73,470
	Hermon St	Treorchy	Strengthen	10,850
	Park Lane	Groesfaen	Microasphalt	16,250
	Wyndham St	Porth	Strengthen	41,881
	Eirw Road	Porth	Microasphalt	24,290
	North Road	Porth	Microasphalt	35,770
	Bryn Eirw	Trehafod	Strengthen	77,500
	River Terrace	Porth	Strengthen	29,760
	Middle terrace	Stanleytown	Strengthen	33,635
	Frederick St	Ferndale	Strengthen	33,635
	Collwyn Street	Coedely	Strengthen	45,942
	Heol Cynllan	Llanharan	Strengthen	35,000
	Surface Dressing of Lanes	Various	Surface Dressing	503,328
	Lower Margaret Street	Abercynon	Strengthen	35,000
	Milbourne St	Abercynon	Strengthen	21,700
	Halswell St	Abercynon	Strengthen	21,700
	Bagot St	Abercynon	Strengthen	21,700
A4093	Blackmill Road	Gilfach	Composite	127,925
	Heol Clwyddau	Beddau	Strengthen	54,808
	Fairmound Place Estate	Tonteg	Microasphalt	44,700
A4054	Cilfynydd Road	Cilfynydd	Microasphalt	75,000

<b>Street No</b>	<b>Street Name</b>	<b>Town</b>	<b>Treatment</b>	<b>Budget(£)</b>
A4054	Cilfynydd Road	Abercynon	Microasphalt	150,000
B4278	Penygraig Road	Williamstown	Strengthen	72,352
B4595	Llantrisant Road	Beddau	Microasphalt	48,750
	Fairways View	Talbot Green	Strengthen	23,250
	Southgate Avenue	Llantrisant	Microasphalt	28,000
	Buarth y Capel	Ynysybwl	Microasphalt	48,360
	Cowbridge Road	Brynsadler	Strengthen	30,000
A4059	A4059 Roundabouts	Aberdare	Strengthen	70,000
	Tesco Roundabout	Upper Boat	Strengthen	25,000
A4055	A4054 Nantgarw Roundabout	Nantgarw	Strengthen	50,000
A4119	A4119 Ty Elai Roundabout	Williamstown	Strengthen	30,000
	Nythbran Terrace	Llwyncelyn	Strengthen	56,544
	Hurford Crescent	Pontypridd	Strengthen	27,125
	HEOL PEN-Y-PARC	Llantrisant	Strengthen	29,450
	Battenburg St	Mountain Ash	Strengthen	18,600
	Heol Ceiriog	Wattstown	Strengthen	16,740
	Sycamore Road	Llanharry	Strengthen	27,900
	Brynhyfryd St	Clydach Vale	Strengthen	58,435
	Thomas St	Tonypanydy	Microasphalt	32,620
B4278	Miskin Road	Trealaw	Microasphalt	50,800
	Holyrood Terrace	Llwynypia	Strengthen	9,600
B4278	Brithweunydd Road	Trealaw	Microasphalt	53,250
	Brynheulog / Herbert St	Treherbert	Microasphalt	28,660
	Gilfach Road	Tonypanydy	Strengthen	54,208
	Maes Maelwg	Beddau	Microasphalt	11,000
	Main Road	Efail Isaf	Microasphalt	55,980
	Taffs Well industrial estate	Taffs Well	Strengthen	124,800
	Ceiriog Crescent / Glyndwr Avenue	Rhydyfelin	Microasphalt	38,350
	Cedar lane	Rhydyfelin	Composite	25,000
	Macefield Way	Rhydyfelin	Microasphalt	28,800
	Archer St	Ynysybwl	Strengthen	31,465
	Augustus St	Ynysybwl	Strengthen	53,165
	Aberffrwd Road	Mountain Ash	Strengthen	17,980
	Rheidol Close	Cwmbach	Strengthen	25,110
	Forest Road	Treforest	Strengthen	15,000
	Glamorgan St	Perthcelyn	Strengthen	15,000
	Granville Terrace	Mountain Ash	Strengthen	57,474
B4273	Clydach Road	Ynysbwl	Strengthen	41,000
	Meadow Lane	Hirwaun	Strengthen	45,539
	Tramway	Hirwaun	Microasphalt	18,110
	Jenkin St	Aberdare	Strengthen	29,822
	Stuart St	Aberdare	Strengthen	28,396

Street No	Street Name	Town	Treatment	Budget(£)
B4275	Gadlys Road	Aberdare	Strengthen	46,080
B4275	Gadlys	Aberdare	Microasphalt	33,000
	Francis St	Thomastown	Strengthen	90,272
	Duffryn Road	Rhydyfelin	Strengthen	151,900
	Caemawr Road	Porth	Strengthen	40,610
	Darren Road	Mountain Ash	Strengthen	30,500
	Forest Road	Treforest	Strengthen	40,000
	Edwards Street	Penrhiwceiber	Strengthen	22,754
			<b>Total</b>	<b>6,301,000</b>
	<b>Development Pipeline</b>			
A4233	Ffaldau Terrace	Ferndale	Strengthen	451,488
A4233	East Road	Tylorstown	Strengthen	150,000

### Proposed Footway Capital Programme 2019/20

Street No	Street Name	Town	Treatment	Budget(£)
	Fairmound Place Estate	Tonteg	Slabs to Tar	150,000
A4058	Ystrad Road	Pentre	Tarmac	60,000
	Cerdin Avenue	Pontyclun	Tarmac	20,000
	Park Lane	Groesfaen	Tarmac	24,000
	Halswell St	Abercynon	Slabs	20,000
	Bagot St	Abercynon	Tarmac	20,000
	Main Road	Tonteg	Tarmac	37,500
	Pentwyn Road	Ton Pentre	Tarmac	175,600
	Nythbran Terrace	Llwynceilyn	Composite	49,000
	Yorkdale Estate	Beddau	Tarmac	60,000
	Southgate Avenue	Llantrisant	Tarmac	40,000
	Lower Maerdy Housing estate	Maerdy	Tarmac	180,000
	Upper Cae Fardre Housing estate	Church Village	Composite	80,000
	Penywaun housing Estate	Penywaun	Tarmac	100,000
	Hurford Crescent	Pontypridd	Composite	27,500
	Merthyr Road	Pontypridd	Tarmac	48,000
	HEOL PEN-Y-PARC	Llantrisant	Tarmac	34,500
	Battenburg St	Mountain Ash	Tarmac	10,900
	Primrose St	Tonypanyd	Composite	25,000
	Maes Maelwg	Beddau	Tarmac	30,000
	Ty Rhiw Footways	Taffs Well	Tarmac	25,000
	Ceiriog Crescent / Glyndwr Avenue	Rhydyfelin	Tarmac	125,000
	Cenarth Drive	Cwmbach	Tarmac	70,000

Street No	Street Name	Town	Treatment	Budget(£)
	Ty Isaf Road	Gelli	Tarmac	15,000
B4275	Aberdare Road	Mountain Ash	Tarmac	56,000
A4059	Newtown	Mountain Ash	Tarmac	29,000
			<b>Total</b>	<b>1,512,000</b>
	<b>Development Pipeline</b>			
A473	Llanharan Road	Pontyclun	Tarmac	213,000
A4233	Ffaldau Terrace	Ferndale	Tarmac	120,000
A4233	Duffryn St	Ferndale	Composite	30,000
	Kenry St	Tonypandy	Composite	25,000
	Oak St	Gilfach	Tarmac	71,800
	Graigwen Housing Estate	Pontypridd	Tarmac	20,000
	Gynor Place to Upper Gynor Place	Ynysir	Tarmac	9,000

### Proposed Disabled Access Improvements Programme

Street No	Description	Budget(£)
	Continuation of the programme of disabled access improvements	30,000
	<b>Total</b>	<b>30,000</b>

### Proposed Safety Barriers Programme 2019/20

Street No	Description	Budget(£)
	Various – Continuation of the rolling programme of repair renewal of vehicle restraint systems primarily on the A road network	100,000
	<b>Total</b>	<b>100,000</b>

### Proposed Highway Structures Schemes 2019/20 (Including reported slippage)

Street No	Street Name	Town	Treatment	Budget (£)
	Advance Preparation	Various	Preparation of future schemes	195,000
	Heol Gwranon Bridge	Rhigos	Refurbishment	234,000
B4275	Pontcynon River Bridge	Abercynon	Masonry Repairs	129,000
A4058	Hopkinstown River Wall Ph1&2	Pontypridd	Masonry Repairs	379,000
	Brook St. Bridge	Ystrad	Replacement	1,287,000
	St. Albans Bridge	Tynewydd	Replacement	1,698,000
	Ponrhondda Bridge	Llwynypia	Replacement	357,000



Street No	Street Name	Town	Treatment	Budget (£)
	Castell Ifor Bridge	Hopkinstown	Strengthening	650,000
	Station Road Bridge	Hirwaun	Strengthening	250,000
	RCT Precinct Wall	Pontypridd	Repairs	50,000
A4119	Williamstown Footbridge	Williamstown	Repairs	200,000
	Confined Space Culverts	Various	Culvert Repairs	150,000
	Tyntyla Footbridge	Ystrad		215,000
			<b>Total</b>	<b>5,794,000</b>
	<b>Development Pipeline</b>			
B4275	Abercwmboi Rugby Club Wall	Abercwmboi	Repairs	250,000
	Gwawr Street Wall	Aberaman	Repairs	150,000
	Darren Ddu Bridge	Ynysybwl	Infilling	100,000
	Ynysallen Bridge	Ynysmaerdy		80,000
	Aberllechau Retaining Wall	Wattstown	Repairs	120,000
	Rhigos Rock Anchors	Rhigos	Retensioning / Renewals	200,000
	Taffs Well wall	Taffs Well		150,000
	Llwynypia Wall	Llwynypia		75,000
	Bwlch Rockface	Bwlch		75,000
	Eirw Rd Trehafod Wall	Trehafod		150,000
	Advance Preparation	Various	Preparation of future schemes	214,000
			<b>Reserve</b>	<b>1,564,000</b>

### Proposed Parks Structures Schemes 2019/20

Street No	Street Name	Town	Treatment	Budget (£)
	Maesyfelin Footbridge	Pontyclun		280,000
	Culvert Repairs (Various)	Various	Repairs	100,000
	Wooden Footbridges (Various)	(Various)	Repair / replace	160,000
	Mill Farm Footbridge	Cilfynydd		70,000
	Nant Lonydd Bridge	Upper Boat		60,000
	Advance Preparation	Various	Preparation of future schemes	250,000
	Project Management Costs			80,000
			<b>Total</b>	<b>1,000,000</b>

## Proposed Street Lighting Programme 2019/20

<b>Scheme</b>	<b>Activity</b>	<b>Budget (£)</b>
Penrhys Estate	Replace life expired and maliciously damaged columns. In areas where vehicular access is not available, folding columns will be used.	95,000
River Terrace, Treorchy	Replace life expired columns and undergrounding of 2-wire overheads	30,000
Newbridge Road Llantrisant	Replace life expired columns	20,000
Llantrisant Road to Newbridge Road Llantrisant	Replace life expired columns	20,000
High Street, Tonyrefail	Replace life expired columns	15,000
Thomastown Roundabout, Tonyrefail	Replace life expired columns	35,000
Cross Inn Road Llantrisant	Replace life expired columns	20,000
Talbot Road Llantrisant	Replace life expired columns	15,000
	<b>Total</b>	<b>250,000</b>

## Appendix 2

### Proposed Land Drainage/ Flood Risk Management Capital Programme 2019/20

Scheme/Location	Activity/Work	RCT	WG Grant/ other	Total
		£	£	£
Land Drainage Improvements Allowance for progression of schemes after completion of Strategic Business Case Assumes WG Approval	OBC/JBC/FBC & Works (15% Match Funding)	35,000	221,000*	<b>256,000*</b>
Mynydd-Yr-Eglwys, Ystrad	Monitoring & Remedial Works	8,000		<b>8,000</b>
Small Works Budget	Small scales works <£10,000 to reduce impact of surface water flows affecting properties and the highway (approx 8 Locations)	60,000		<b>60,000</b>
Maes y Ffynon road, Aberdare.	Undertake replacement or Lining works to the culvert Network	65,000		<b>65,000</b>
Tudor Road, Ton Pentre	Undertake replacement or Lining works to the culvert Network	100,000		<b>100,000</b>
A4233 Porth Relief Road. Porth	Undertake replacement or Lining works to the Highway Carrier Drain	20,000		<b>20,000</b>
A4058 Cymmer Rd, by KFC, Cymmer	Highway Culvert line deformation (20%) Undertake replacement or Lining works to the Highway Carrier Drain	15,000		<b>15,000</b>
Ynysybwl Road, Glyncoch	New highway Carrier drain	15,000		<b>15,000</b>
Moy Road, Taffs Well	Undertake replacement or Lining works to the Highway Carrier Drain	10,000		<b>10,000</b>

Scheme/Location	Activity/Work	RCT	WG Grant/other	Total
		£	£	£
Ynyshir Cycle path, Ynyshir	Water flowing over cycle path from embankment New Land Drainage	20,000		<b>20,000</b>
Duffryn Road, Hawthorn	Undertake replacement or Lining works to the Highway Carrier Drain		62,000	<b>62,000</b>
Former Gene Metals, Treforest	Undertake replacement or Lining works to the Highway Carrier Drain		95,000**	<b>95,000**</b>
Brecon Road, Hirwaun	Undertake replacement or Lining works to the Highway Carrier Drain		30,000**	<b>30,000**</b>
<b>Total</b>		<b>348,000</b>	<b>408,000</b>	<b>756,000*</b>

\*Assumes successful grant bids

\*\*Potential third party contribution and total with contribution.

### Appendix 3

#### Proposed Traffic Management Programme 2019/20

<b>Traffic Management Programme 2019/20</b>	<b>Cost (£)</b>
Disabled Persons Parking Permits	10,000
Minor schemes, signs and markings	55,000
Collision Cluster and Capital Programme Review	4,000
Small scale traffic regulation orders (Speed limit, Road Safety and community benefit)	30,000
Residents Parking Review	40,000
Speed Limit Review	6,000
Remedial works resulting from Safety Audits on previous schemes	5,000
Development of schemes for 2018/19 onwards	10,000
<b>Total</b>	<b>160,000</b>

In addition to the above the Traffic Management team will be responsible for delivering a number of Education and Lifelong Learning funded projects throughout the borough including the highway elements of the 21Century Schools programme.

## Appendix 4

### “Making Better Use” Programme.

<b>Scheme/Location</b>	<b>Work Description</b>	<b>RCT (£)</b>	<b>Other (£)</b>	<b>Budget (£)</b>
<b>Highway Network Improvements</b>				
Bridge Street R/About, Pontypridd.	Bus Priority Lane. – Completion of Construction	50,000		50,000
A4059 Asda R/About Aberdare and B4275 Aberaman	Capacity and Flow enhancements to SE approach to roundabout and right holding lane on B4275 junction with Industrial Estate. Construction	403,000		403,000
Abercynon Town Centre Traffic management Improvements	Implementation/construction	90,000		90,000
A473 Tonteg Road, Upper Boat	Traffic Flow Improvements Progress to stage 2 feasibility/Business case	10,000		10,000
A4059 Quarter Mile Jct, Abercynon	Traffic Flow Improvements Progress to stage 2 feasibility/Business case	50,000		50,000
A4058 Porth Traffic Signals	Reconfiguration of turning movements into Porth.		45,000*	45,000*
Taff Street, Pontypridd	Replacement of Town Centre Rising Bollard System		50,000*	50,000*
A473 Gwaun Miskin Junction	Creation of an extended left hand turn lane on east bound approach.	80,000		80,000
Various	Bus Corridor Improvements (4 Corridors). Study ONLY	40,000		40,000
A4119 Tonyrefail/Trebanog RAbouts	Scheme Development	60,000		60,000

<b>Scheme/Location</b>	<b>Work Description</b>	<b>RCT (£)</b>	<b>Other (£)</b>	<b>Budget (£)</b>
<b>Road Safety/Active Travel/Traffic Flow Improvements</b>				
B4275 Penrhiwceiber,	Pedestrian Crossing. Construction.	68,000		68,000
A4054 Cardiff Road, Hawthorn	Enhanced Pedestrian Measures	60,000		60,000
Holly Street, Rhydyfelin	Zebra Crossing	50,000		50,000
Birthweunydd Rd (B4278), Trealaw	Raised Zebra Crossing	60,000		60,000
A4059 New Road	Convert zebra Crossing to Puffin crossing.	80,000		80,000
Llantrisant Road, Tonyrefail.	Enhanced Pedestrian Measures. Development ONLY	10,000		10,000
A4119 Groes Faen	Enhance Pedestrian Measures Development ONLY	10,000		10,000
A473 Bridgend Road, Llanharan	Enhanced Pedestrian Measures. Development ONLY	10,000		10,000
<b>Totals</b>		<b>1,131,000</b>	<b>95,000*</b>	<b>1,226,000</b>

\*Potential third party contribution and total with contribution.

## Appendix 5

### Proposed Park and Ride Programme.

<b>Scheme/Location</b>	<b>Work Description</b>	<b>RCT (£)</b>	<b>Other (£)</b>	<b>Budget (£)</b>
Porth P&R – Ph 2 & 3	Phase 2 – New Car park and Development of Phase 3	750,000		750,000
Pontyclun P&R – Phase 2	Phase 2- Development of extension of existing Park and Ride Adjacent to Station.	640,000		640,000
P&R Various	Scheme Development/Delivery	50,000		50,000
<b>Totals</b>		<b>1,440,000</b>		<b>1,440,000</b>